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CORRES CONTROL X ADMN RECORD/080 PATS/T130G

Reviewed for Addressee Corres, Control RFP

Ref Ltr. #

DOE ORDER # 5400./

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MAY 0 6 1994

ER:GL:05263

Test of CURE Water Treatment Process

Sue Stiger, Assistant General Manager Environmental Restoration Management EG&G Rocky Flats, Inc.

Recently, the Rocky Flats Field Office (RFFO), EG&G, Colorado Department of Health (CDH) and Environmental Portection Agency (EPA) visited Hydrologics Inc.to watch a demonstration of their CURE water treatment process. EPA is now requesting that DOE/RFFO conduct a laboratory scale test of the CURE water treatment technology, using a Rocky Flats water sample. The CURE process is a potential treatment process for waters contaminated with radionuclides and/or heavy metals.

A preliminary discussion with Hydrologics Inc. and Acculabs indicated that the test work could be completed in less than one day, at Acculabs, during the month of June. Therefore, DOE/RFFO requests that EG&G make the required arrangements to conduct a test of the CURE water treatment.

If you have any questions please contact Norma Castaneda at extension 4226 or Michael Harris at extension 4189.

Acting Assistant Manager for Environmental Restoration

Attachment

cc w/Attachment:

A. Rampertaap, EM-453, HQ

N. Castaneda, ER, RFFO

M. Harris, ER, RFFO

J. Hopkins, EG&G

O. Erlich, EG&G

M. Rupert, EG&G



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Department of Energy

Flats Field Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION VIII

999 18th STREET - SUITE 500 DENVER, COLORADO 80202 2466

AR 28 804

Ref: 8HWM-FF

Ms. Jessie Roberson U.S. Department of Energy Rocky Flats Office, Building 116 P.O Box 928 Golden, Colorado 80402-0928

Dear Ms. Roberson,

On March 16, 1994, members of our respective staffs met wi'h Hydrologics Inc. to discuss issues pertaining the CURE technology. This technology is an electrocoagulation technolog that may remove radionuclides and metals present in groundwater

Subsequent staff discussions lead to the belief that this technology could be a potential treatment for Rocky Flats Plant (RFP) groundwater contaminated with radionuclides. I would like to suggest DOE conduct a preliminary screening test on this technology to assess its capabilities in removing radionuclides from groundwater. Your staff has indicated that the test is considered minimum in scope.

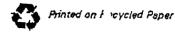
Please note that the performance of the suggested preliminary study on the CURE technology will not relieve DOE from carrying out the commitments of the Site-wide treatability Study Program (TSP). If it is found that the CURE technology las the potential to meet cleanup target levels for radionuclides in groundwater, EPA may request DOE perform a more extensive study which could replace one of the studies under the TSP.

I feel that conducting the suggested test will be benefic al in developing innovative technologies to help us solve our problems. Please do not hesitate to contact Arturo Duran of m staff at (303) 294-1080 with any questions you may have on this matter.

Sincerely,

Martin Hestmark, Manager Rocky Flats Project

Gary Baughman, CDH Dave Norbury, CDH



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